

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 4	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE 04/01/2009		4. REQUISITION/PURCHASE REQ. NO.	
6. ISSUED BY NASA/John F. Kennedy Space Center Office of Procurement Mail Code OP-OS Kennedy Space Center FL 32899		CODE KSC		5. PROJECT NO. (If applicable)	
		7. ADMINISTERED BY (If other than Item 6) NASA/Kennedy Space Center Office of Procurement Mail Code OP-OS Kennedy Space Center FL 32899		CODE KSC	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x)		9A. AMENDMENT OF SOLICITATION NO. NNK09247909R	
		x		9B. DATED (SEE ITEM 11) 03/13/2009	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☒ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not. ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this amendment is to revise Section 1.4 Period of Performance, Section 1.5 Schedule of Supplies, and Attachment 001, Section 3 as follows:

**SECTION 1.4 PERIOD OF PERFORMANCE**

Change the effective date for delivery orders issued under CLIN 010: From July 1, 2009, to August 1, 2009.

**SECTION 1.5 SCHEDULE OF SUPPLIES**

Change the maximum order limitations for CLIN 007: From 60 (max daily), 350 (max weekly), 2,000 (max monthly); to 160 (max daily), 1,000 (max weekly), and 4,000 (max monthly).

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Marcus Orr	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Change the maximum order limitations for CLIN 008: From 120 (max daily), 700 (max weekly), 4,000 (max monthly); to 80 (max daily), 500 (max weekly), and 2,000 (max monthly).</p> <p>Change the maximum order limitations for CLIN 012: From 120 (max daily), 720 (max weekly), 1,500 (max monthly); to 200 (max daily), 1,200 (max weekly), and 5,000 (max monthly).</p> <p>Change the maximum order limitations for CLIN 013: From 240 (max daily), 1,440 (max weekly), 3,000 (max monthly); to 100 (max daily), 600 (max weekly), and 2,500 (max monthly).</p> <p>Add special note for CLIN 012 to read as follows: "Best estimated yearly quantity is 45,000 tons for contract years 3 through 5."</p> <p>Add special note for CLIN 013 to read as follows: "Best estimated yearly quantity is 22,500 tons for contract years 3 through 5."</p> <p>ATTACHMENT 001, SECTION 3 Change paragraph (b) (3) of Section 3 to add the following reference: "[see paragraph (a) (2) of this section]."</p> <p>Change paragraph (c) (2): From TBD to "All personnel must be badged for access [see paragraph (a) (2) of this section]."</p> <p>Change paragraph (c) (4): From TBD to "There are 4 liquid oxygen storage tanks in use at Ellington Airport; one 400-gallon tank and three 600-gallon tanks. The maximum allowable working pressure of all 4 storage tanks is 50 PSI. Note: The Government reserves the right to add, withdraw, change, or substitute receiving containers at anytime during the life of the contract."</p> <p>Replacement pages are attached. See block 11 for methods of acknowledging receipt of this amendment.</p>				

Note: The effective date for orders issued for CLINs 001 and 009 is April 1, 2010. The effective date for orders issued for CLINs 002, 006, and 011 is January 1, 2010. The effective date for orders issued for CLIN 010 is August 1, 2009. The effective date for orders issued for all other CLINs is July 1, 2009.

(End of clause)

#### 1.5. SCHEDULE OF SUPPLIES

CLIN	PLACE	NITROGEN SPECIFICATION	UNIT	ORDER LIMITATIONS				BEST EST. YEARLY QTY
				MINI-MUM	MAX DAILY	MAX WKLY	MAX MTHLY	
001	GRC	MIL-PRF-27401E Type II Grade B	TON	20	70	138	690	7,200
002	GSFC	MIL-PRF-27401E Type II Grade B	TON	10	100	N/A	N/A	6,000 <sup>1</sup>
003	JSC	MIL-PRF-27401E Type II Grade B	TON	20	240	N/A	N/A	10,000 <sup>2</sup>
004	JSC	MIL-PRF-27401E Type II Grade C <sup>3</sup>	TON	20	40	N/A	N/A	1,000
005	MAF	MIL-PRF-27401E Type II Grade B	TON	20	23	100	500	4,500
006	MSFC	MIL-PRF-27401E Type II Grade B	TON	20	200	1,400	4,400	32,250
007 <sup>4</sup>	SSC	MIL-PRF-27401E Type II Grade B	TON	20	160	1,000	4,000	36,000
008 <sup>4</sup>	SSC	MIL-PRF-27401E Type II Grade B	TON	20	80	500	2,000	18,000
<b>OXYGEN SPECIFICATION</b>								
009	GRC	MIL-PRF-25508G Type II Grade A	TON	5	44	44	88	200
010	JSC	MIL-PRF-27210G Type II	GAL	850	4,500	N/A	N/A	55,850
011	MSFC	MIL-PRF-25508G Type II Grade A	TON	20	80	400	800	5,000
012 <sup>5</sup>	SSC	MIL-PRF-25508G Type II Grade A	TON	20	200	1,200	5,000	19,000 <sup>6</sup>
013 <sup>5</sup>	SSC	MIL-PRF-25508G Type II Grade A	TON	20	100	600	2,500	9,500 <sup>7</sup>

<sup>1</sup>Best estimated yearly quantity is 12,000 tons for contract years 2 through 5.

<sup>2</sup>Best estimated yearly quantity is 30,000 tons for contract years 3 and 4 for Special Vacuum Thermal Chamber Testing. Contractor shall be able to supply the maximum daily order quantity for 120 contiguous days. The Special Chamber Test is scheduled to occur in the 2010 -2012 time frame.

<sup>3</sup>Modified Grade C. Please refer to Attachment 001 for more information.

<sup>4</sup>Nitrogen to SSC (CLIN 007 and 008): CLIN 007 represents the total nitrogen requirement to SSC. CLIN 008 represents half of the total nitrogen requirement to SSC. The contractor shall either serve as the single supplier for CLIN 007 (total nitrogen requirement to SSC); OR serve as one of two sources of supply for CLIN 008 (half of total nitrogen requirement to SSC). The option utilized shall be determined by the lowest total evaluated cost to the Government. An offeror submitting an offer for CLIN 007 MUST also submit an offer for CLIN 008. AN OFFEROR MAY SUBMIT AN OFFER FOR CLIN 008 WITHOUT PROVIDING AN OFFER FOR CLIN 007.

<sup>5</sup>Oxygen to SSC (CLIN 012 and 013): CLIN 012 represents the total oxygen requirement to SSC. CLIN 013 represents half of the total oxygen requirement to SSC. The contractor shall either serve as the single supplier for CLIN 012 (total oxygen requirement to SSC); OR serve as one of two sources of supply for CLIN 013 (half of total oxygen requirement to SSC). The option utilized shall be determined by the lowest total evaluated cost to the Government. An offeror submitting an offer for CLIN 012 MUST also submit an offer for CLIN 013. AN OFFEROR MAY SUBMIT AN OFFER FOR CLIN 013 WITHOUT PROVIDING AN OFFER FOR CLIN 012.

<sup>6</sup>Best estimated yearly quantity is 45,000 tons for contract years 3 through 5.

<sup>7</sup>Best estimated yearly quantity is 22,500 tons for contract years 3 through 5.

(End of Clause)

- (iv) Argon:  $\leq 30$  ppm
- (v) Water:  $\leq 10$  ppm
- (vi) Carbon Monoxide:  $\leq 10$  ppm
- (vii) Carbon Dioxide:  $\leq 10$  ppm
- (viii) Hydrogen:  $\leq 0.5$  ppm
- (2) Routine delivery: Desired hours of delivery and acceptance of product is Monday through Friday, 7:00 AM to 3:00 PM. However, under unusual or emergency circumstances, the Contractor agrees to deliver product 24 hours a day, 7 days a week, including holidays.
- (3) Clearance procedures: All personnel entering JSC must be badged for access [see paragraph (a)(2) of this section].
- (4) Quantification of product delivered: JSC requests scale weights for quantification of product delivered. Certified Scales are on JSC Bldg 419.
- (5) JSC responsibility during delivery: JSC personnel shall be present during offload. The vendor will operate vendor owned equipment as required.
- (6) Receiving Storage: Current facility storage containers in use at JSC include those which are listed below. However, the Government reserves the right to add, withdraw, change, or substitute receiving containers at anytime during the life of the contract.

Facility	No. Of Tanks	Capacity (Gallons)
Bldg 31	1	15,000

- (7) Fill point fittings: The fill point fittings at JSC are 1½" CGA fittings (NI-15).
  - (8) JSC points of contact will be specified on delivery orders.
- (c) CLIN 010
- (1) Delivery to Ellington Airport:
    - (i) Normal: Mondays, 6:30 AM to 10:30 PM. When Monday is a government holiday, deliveries will be accepted on the Tuesday following the holiday.
    - (ii) Emergency: 24 hours a day, 7 days a week, including holidays.
  - (2) Clearance procedures: All personnel must be badged for access [see paragraph (a)(2) of this section].
  - (3) Quantification of product delivered: JSC will accept the tanker pump meter quantification of product delivered. Pump meter shall be calibrated in accordance with NIST Handbook 44.
  - (4) Receiving storage/delivery locations: There are 4 liquid oxygen storage tanks in use at Ellington Airport; one 400-gallon tank and three 600-gallon tanks. The maximum allowable working pressure of all 4 storage tanks is 50 PSI. Note: The Government reserves the right to add, withdraw, change, or substitute receiving containers at anytime during the life of the contract.
  - (5) Fill point fittings: The fill point fittings at JSC-Ellington Field are 1½ CGA fittings (OX-15).
  - (6) JSC points of contact will be specified on delivery orders.

(End of section)